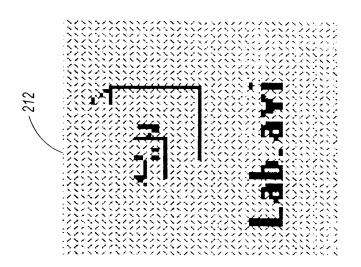
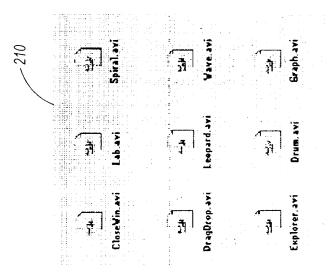


F1G. 1





FIG



F/G. 2



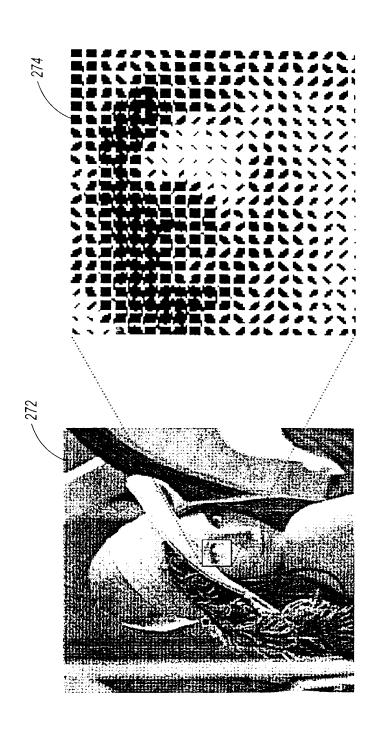


FIG 4



V11 V12 do3 V14 V15 V16 V17 V18 do4 V20 V21 V23 V24 do1 V26 V27 V28 V29 V30 do2 411 412 do3 414 415 416 417 418 do4 429 421 422 423 424 do1 426 427 428 429 430 do2 V13 V14 d03 V16 V17 V18 V19 V20 d04 ×22 V23 V24 V25 V26 d01 V28 V29 V30 V31 V32 d02 uo7 uo8 do3 u10 u11 u12 d13 u14 do4 u16 u17 u18 u19 u20 do1 u22 u23 u24 u25 u26 do2  $v_{17}$   $v_{18}$   $d_{03}$   $v_{20}$   $v_{2y}$   $v_{22}$   $v_{23}$   $v_{24}$   $d_{04}$   $v_{26}$   $v_{27}$   $v_{28}$   $v_{29}$   $v_{30}$   $d_{01}$   $v_{32}$   $v_{33}$   $v_{34}$   $v_{35}$   $v_{36}$   $d_{02}$ u05 u06 d03 u08 d09 u10 u11 u12 d04 u14 u15 de u17 u18 d01 u20 u21 u22 u23 u24 d02 V<sub>19</sub> V<sub>20</sub> d<sub>03</sub> v<sub>22</sub> V<sub>23</sub> V<sub>24</sub> V<sub>25</sub> V<sub>26</sub> d<sub>04</sub> V<sub>28</sub> V<sub>29</sub> V<sub>30</sub> V<sub>31</sub> V<sub>32</sub> d<sub>01</sub> V<sub>34</sub> V<sub>35</sub> V<sub>36</sub> V<sub>37</sub> V<sub>38</sub> d<sub>02</sub> u<sub>03</sub> u<sub>04</sub> d<sub>03</sub> u<sub>06</sub> u<sub>07</sub> u<sub>08</sub> u<sub>09</sub> u<sub>10</sub> d<sub>04</sub> u<sub>12</sub> u<sub>13</sub> u<sub>14</sub> u<sub>15</sub> u<sub>6</sub> d<sub>01</sub> u<sub>18</sub> u<sub>19</sub> u<sub>20</sub> u<sub>21</sub> u<sub>22</sub> d<sub>02</sub> V2/ 22 do3 V24 V25 V26 V27 V28 do4 V30 V11 V12 V13 V14 do1 V36 V37 V38 V39 V40 do2

FIG. 5



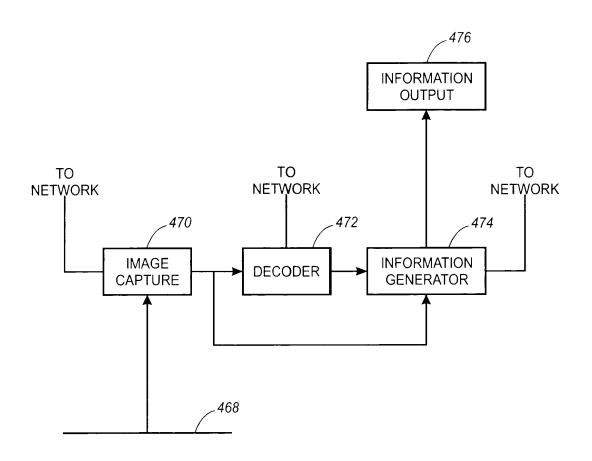


FIG. 6



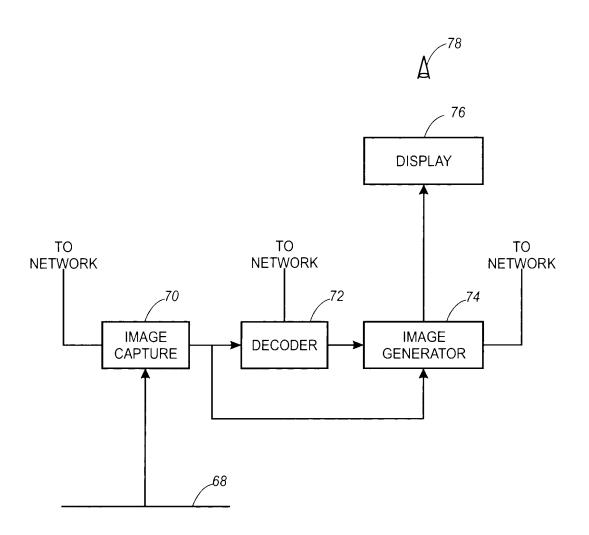


FIG. 7



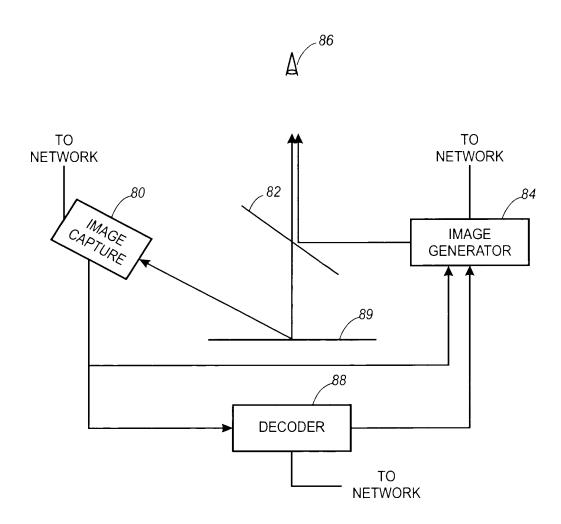


FIG. 8



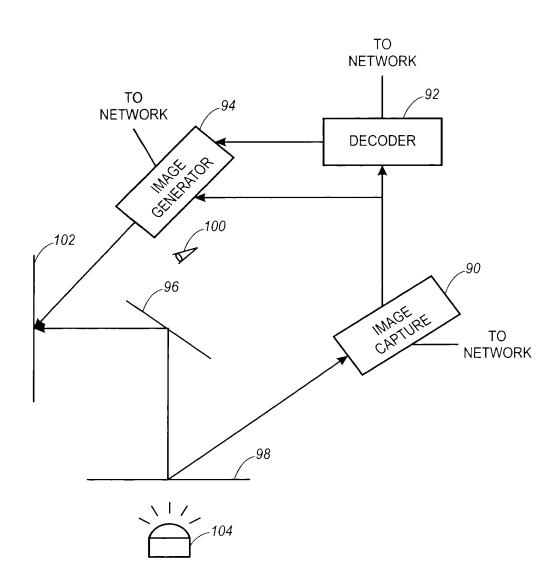
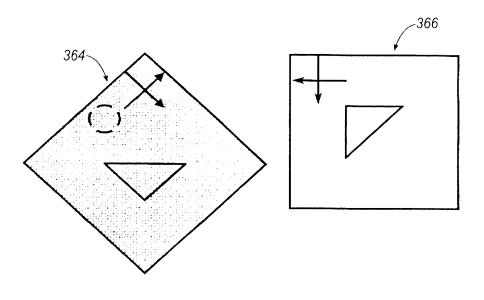


FIG. 9





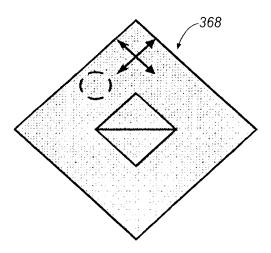


FIG. 10



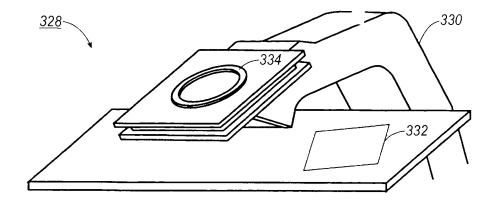


FIG. 11

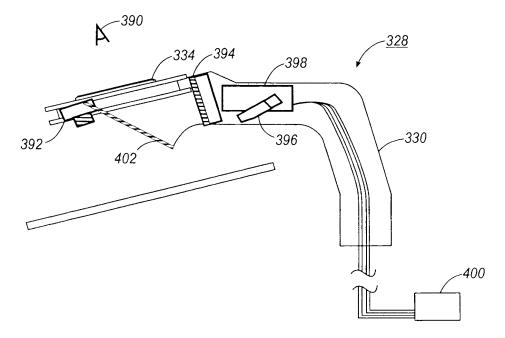


FIG. 12



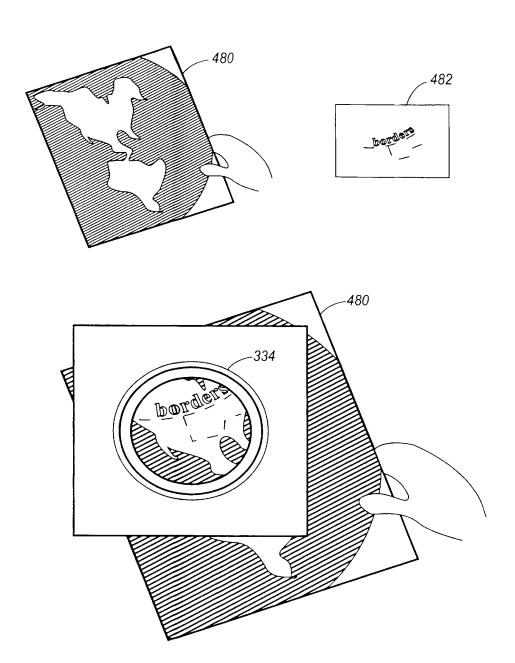


FIG. 13



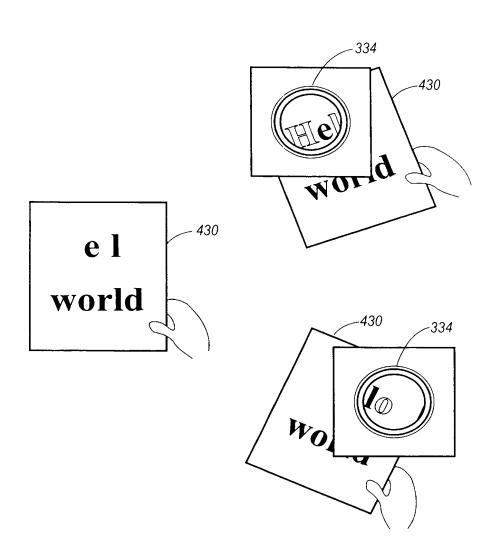


FIG. 14



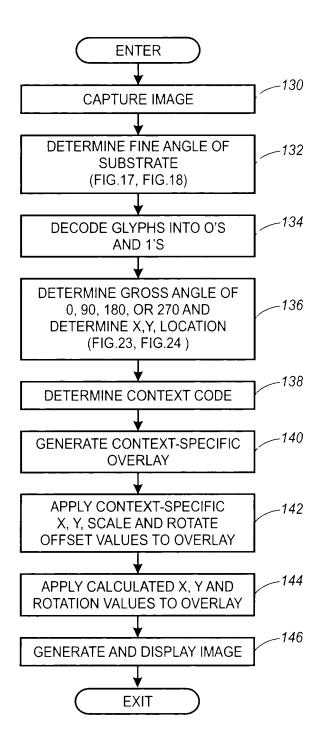


FIG. 15



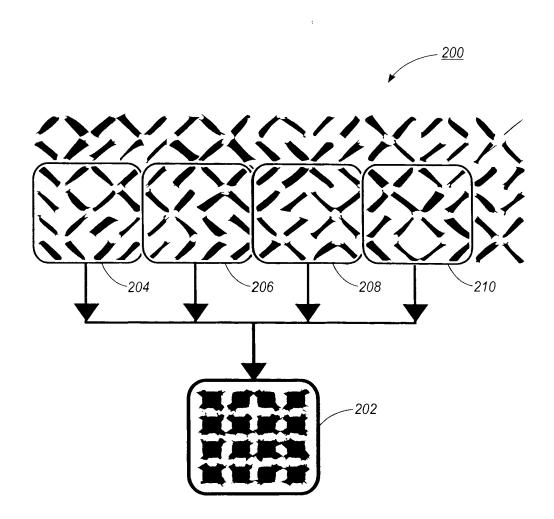
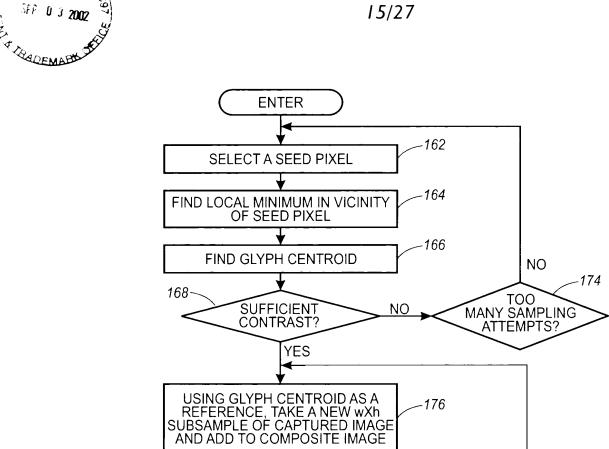


FIG. 16

YES

NO

-170



178-

HAVE ENOUGH SUCCESSFUL SAMPLES BEEN TAKEN? TOO NO MANY SAMPLING ATTEMPTS? YES YES DIVIDE VALUES OF COMPOSITE IMAGE BY NUMBER OF SUCCESSFUL SAMPLES TO DETERMINE AVERAGE VALUES OF PIXELS IN SUBSAMPLED REGIONS -180 -172 **FAIL** -182 DETERMINE QUADRANT OFFSET ANGLE FROM RESULTING COMPOSITE IMAGE **EXIT** 

FIG. 17



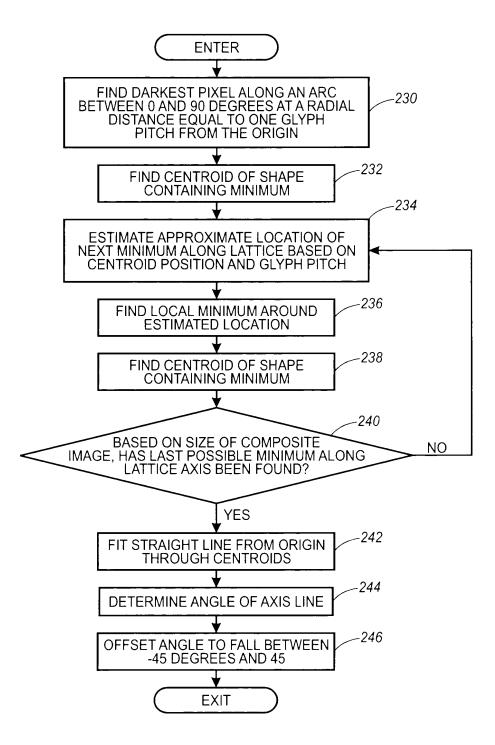


FIG. 18



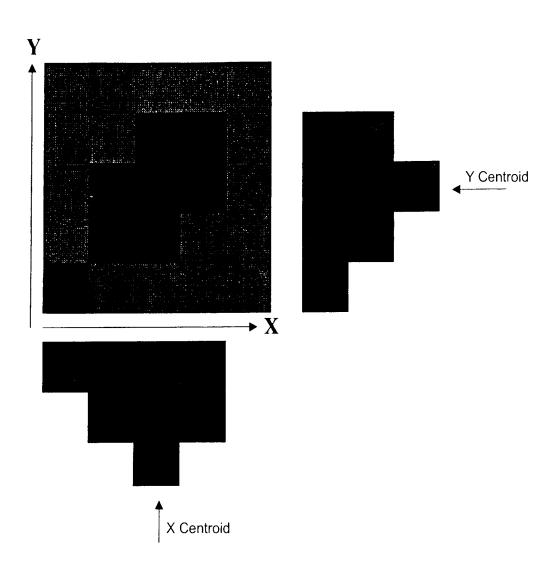


FIG. 19



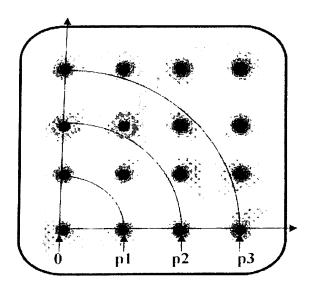


FIG. 20

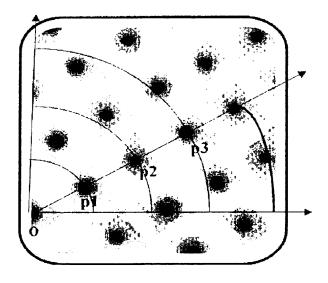


FIG. 21



86 87 86 85 84 85<									_					
43 48 68 78 68 78<	<del>1</del> 8	A14	B3	¥	85	A3	B7	A5	83	A7	B11	A9	B13	A11
8 9 8 9 8 9 8 9 8 9 9 8 9	B2	A13	\$	A15	98	₹	88	<b>A</b>	<b>B</b> 10	<b>A</b> 6	B12	A8	B14	A10
A1 A2 A3 A4 A5 A6 A7 A8 B7 B1 B15 B14 B13 B14 B15 B14 B15 B14 B13 B14 B15 B14 B15 B14 B13 B14 B15	<b>B</b> 3	A12	B5	A14	87	¥	83	<b>A</b> 3	<b>B</b> 11	A5	B13	A7	B15	<b>A</b> 9
86 87 86 83 82 81 815 814 813 812 814 813 812 814 813 812 814 813 814 813 814 813 814 813 814 813 814 813 814 813 814 813 814 813 814 813 814 813 814 813 814 813 814 813 814 813 814 813 814 813 814 813 814 814 813 814	84	A11	98	A13	B8	A15	B10	8	<b>B12</b>	<b>A</b>	B14	A6	<b>8</b>	<b>A8</b>
88 87 86 83 82 81 815 814 813 812 814 813 812 814 813 812 811 810 819 88 87   A7 A8 A9 A10 A11 A12 A13 A14 A15 A1 A2 A3 A4 A5 A6 A5 A6 A7 A6 <td>B2</td> <td>A10</td> <td>87</td> <td>A12</td> <td>B3</td> <td>A14</td> <td>111</td> <td>¥</td> <td>B13</td> <td>A3</td> <td>B15</td> <td>A5</td> <td>B2</td> <td><b>A</b>7</td>	B2	A10	87	A12	B3	A14	111	¥	B13	A3	B15	A5	B2	<b>A</b> 7
88 87 86 84 83 82 81 815 814 813 812 811 813 812 811 810 81 88 87 88 87 81 815 814 813 812 811 810 89 88 87 88 82 81 815 814 813 812 811 810 89 87 89 87 89 87 89 87 89 87 89 87 89	98	A9	B8	A11	B10	A13	B12	A15	B14	<b>A</b> 2	81	<b>A</b> 4	83	<b>A</b> 6
88 87 86 84 83 82 81 815 814 813 812 811 813 812 811 813 812 811 813 812 811 813 812 811 813 812 814 813 812 811 810 89 86 86 813 82 81 815 814 813 812 811 810 89 81 81 814 813 812 811 813 812 811 813 812 811 813 812 811 813 812 811 813 812 811 813 812 811 813 812 811 813 812 811 813 812 811 813 812 811 813 812 811 813 812 811 813 812 811 813 812 811 813 812 811 813 812 8	B7	<b>A8</b>	B3	A10	B11	A12	B13	A14	B15	¥	B2	<b>A</b> 3	84	A5
88 87 89 81 815 814 813 812 814 813 812 811 810 811	88	A7	B10	<b>A</b> 9	B12	A11	B14	A13	<b>B</b>	A15	B3	8	B5	<b>A</b>
88 87 86 83 82 81 815 814 813 812 811	83	<b>A6</b>	B11	A8	B13	A10	B15	A12	B2	A14	<b>8</b>	A1	98	A3
88 87 86 85 84 83 82 81 815 814 813 812 81 815 814 813 812 81 815 814 813 812 81 815 814 813 814 815 814 <	B10	A5	B12	A7	B14	<b>A</b> 9	8	A11	B3	A13	B5	A15	87	8
88 87 86 85 84 83 82 81 815 814 813   A7 A8 A9 A10 A11 A12 A13 A14 A15 A1 A15 B1	B11	<b>¥</b>	B13	<b>A6</b>	B15	A8	<b>B</b> 2	A10	8	A12	88	A14	88	¥
88 87 86 85 84 83 82 81 815 814   A7 A8 A9 A10 A11 A12 A13 A14 A15 A1   B10 B9 B7 B6 B5 B4 B3 B2 B1   B12 B13 B14 A15 A1 A15 A1 A2 A3   B14 B13 B14 B15 B1	B12	A3	B14	A5	8	A7	<b>B</b> 3	<b>A9</b>	B5	A11	<b>B</b> 7	A13	68	A15
88 87 86 85 84 83 82 81 815   A7 A8 A9 A10 A11 A12 A13 A14 A15   B10 B9 B7 B6 B5 B4 B3 B7 B15   B12 B11 B10 B9 B8 B7 B6 B7 B4   A13 A14 A15 A1 A15 A1 A2 A3 A4   A13 A14 A15 A1 A15 B1	B13	\$	B15	<b>A4</b>	<b>B</b> 2	A6	<b>8</b> 4	A8	9g	A10	88	A12	<b>B</b> 10	A14
88 87 86 85 84 83 82 81   A7 A8 A9 A10 A11 A12 A13 A14   B10 B9 B7 B6 B5 B4 B3   A9 A10 A11 A12 A13 A14 A15 A1   B12 B11 B10 B9 B8 B7 B6 B5   A11 A12 A13 A14 A15 A1 A2 A3   A13 B14 B15 B16 B9 B8 B7 B6 B5   B14 B15 B14 B15 B14 B15 B16 B9   A15 A1 A2 A3 A4 A5 A6 A7   A2 A3 A4 A5 A6 A7 A8 A9   A2 A3 A4 A5 A6 A7 A8 A9   B2 B4	B14	Ą	18	A3	B3	A5	B5	A7	87	<b>A</b> 9	B3	A11	B11	A13
B8 B7 B6 B5 B4 B3 B2   A7 A8 A9 A10 A11 A12 A13   B10 B9 B8 B7 B6 B7 B4   A9 A10 A11 A12 A13 A14 A15   B12 B11 B10 B9 B8 B7 B6   A11 A12 A13 A14 A15 A1 A2   B14 B13 B12 B11 B10 B9 B8 B1 B10   B13 B14 B13 B14 B15 B14 B15 B14 B15 B14   B2 B1 B15 B14	B15	A15	B2	82	B4	<b>A4</b>	<b>B</b> 6	A6	88	A8	B10	A10	B12	A12
B8 B7 B6 B5 B4 B3   A7 A8 A9 A10 A11 A12   B10 B9 B8 B7 B6 B5   A9 A10 A11 A12 A13 A14   B12 B11 B10 B9 B7   A11 A12 A13 A14 A15 A1   A11 A12 A13 A14 A15 A1   B13 B14 B13 B12 B11 B13 B14   B15 B14 B15 B14 B13 B14 B13 B14 B15 B14   B2 B3 B2 B1 B15 <td>18</td> <td>A14</td> <td><b>B</b>3</td> <td><b>A</b></td> <td>85</td> <td>A3</td> <td>87</td> <td>A5</td> <td>89</td> <td>A7</td> <td>B11</td> <td><b>A9</b></td> <td>B13</td> <td>A11</td>	18	A14	<b>B</b> 3	<b>A</b>	85	A3	87	A5	89	A7	B11	<b>A9</b>	B13	A11
B8 B7 B6 B5 B4   A7 A8 A9 A10 A11   B10 B9 B8 B7 B6   A9 A10 A11 A12 A13   B12 B11 B10 B9 B8   A11 A12 A13 A14 A15   B14 B13 B12 B1 B10   A13 A14 A15 A1 A2   B1 B15 B14 B13 B12   B1 A2 A3 A4 A5 A6   B2 B3 B2 B1 B1 B1 B1 B1 B1   B4 B3 B4 B3 B2 B1 B1 B1 B1 B1	B2	A13	84	A15	98	82	88	<b>¥</b>	B10	A6	B12	A8	B14	A10
B8 B7 B6 B5   A7 A8 A9 A10   B10 B9 B7 B7   A9 A10 A11 A12   B12 B11 B10 B9   A11 A12 A14 A15   A13 A14 A15 A1   A13 A14 A15 A1   A13 A14 A15 A1   B1 B15 B13 B15   B2 B1 B15 B2   B3 B2 B1 B15   B4 B3 B2   B4 B5 B4 B7   B4 B5 A4 A5   A4 A5 A6 A7	B3	A12	<b>B</b> 5	A14	87	<b>A</b>	B3	<b>A</b> 3	B11	A5	B13	A7	B15	<b>A</b> 9
BB B7 B6   A7 A8 A9   B10 B9 B8   A9 A10 A11   B12 B11 B10   A11 A12 A13   B14 B13 B12   A13 A14 A15   B1 B15 B14   A13 A14 A15   B1 B15 B14   B1 B15 B14   B2 B1 B2   B3 B4 B3   B4 B5 B6   B4 B5 A6	B4	A11	B6	A13	B8	A15	810	8	B12	<b>A</b>	B14	A6	8	A8
B8 B7 A7 A8 B10 B9 B12 B11 A11 A12 B14 B13 A13 A14 B1 B15 A15 A1 B3 B2 A2 A3 B5 B4 A4 A5	B5	A10	B7	A12	B3		B11	¥	B13	A3	B15	A5	<b>B</b> 2	A7
A9 A9 A11 A11 A11 A11 A15 A2 A2 A4 A4	B6	<b>A</b> 9	88	A11	B10	A13	B12	A15	B14	<b>4</b> 2	<b>B</b>	<b>A</b>	83	<b>A6</b>
· · · · · · · · · · · · · · · · · · ·	87	<b>A</b> 8	83	A10	B11	A12	B13	A14	B15	Ą	B2	<b>A</b> 3	<b>8</b>	A5
B11 A12 A14 A14 A15 A14 A15 A14	B8	A7	B10	A9				A13	<b>8</b>	A15	<b>B</b> 3	8	B2	<b>A</b> 4
		A6		A8	B13	A10	B15	A12	82	A14	84	¥	98	A3
B10 A7 A7 A11 A11 A13 B5 A15 A15	B10	A5	B12	A7	B14	Α9	8	A11	B3	A13	B5	A15	B7	8

FIG. 22



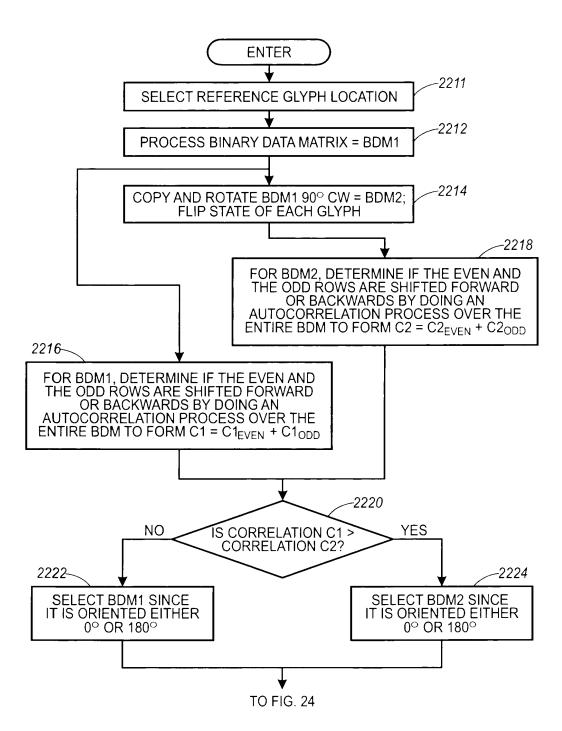


FIG. 23



TOIPE

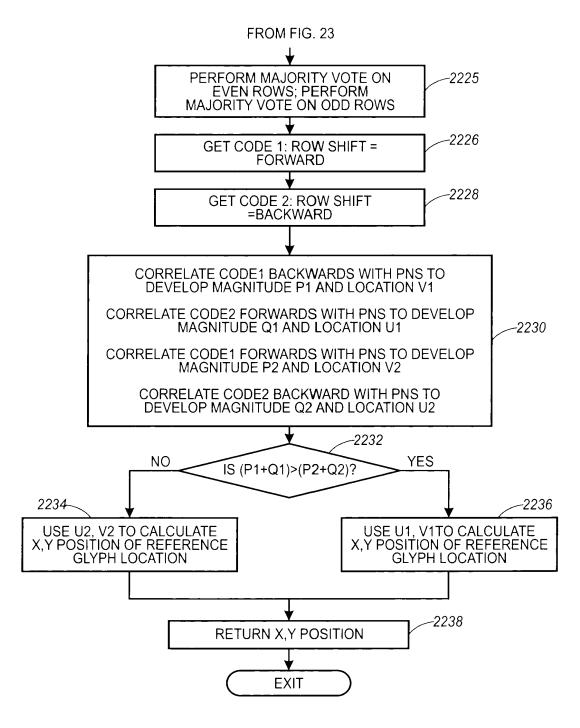


FIG. 24



-2310 В В В В В В В В В В X X Ε Ε X X В В X Ε 0 1 Ε X В В X E 0 d 1 0 Ε В X o В Ε 0 Ε 0 đ 8 d d В 0 0 0 0 1 0 1 0 В d 1 1 1 1 0 В 0 d 0 d В 0 В Ε 0 0 d 0 0 đ В В Ε 1 0 1 đ 0 0 1 1 Ε В X Ε В X В 1 X X В В X X Ε E X X В В В В В В В В В В В В В В В

FIG. 25



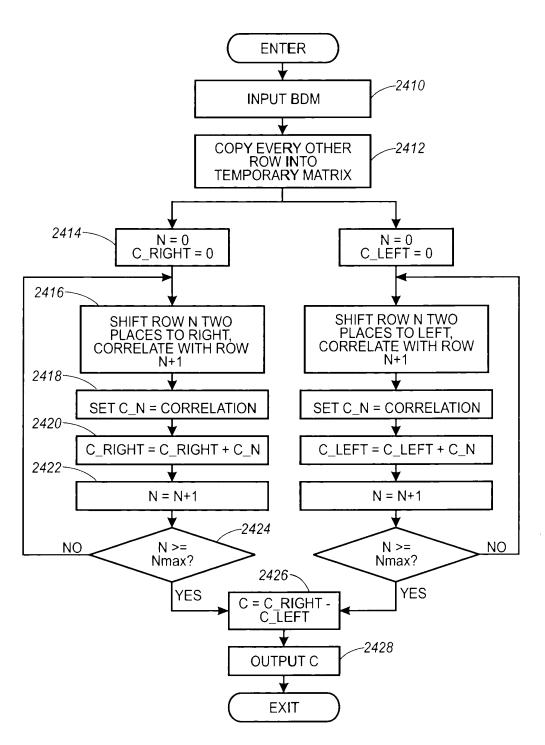


FIG. 26



<b>[</b> 2]	A14		A12	•	A10	•	, A8	•
<b>B</b> 2	AT AZ A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14		A10 A11 A12	•	A5 A6 A7 A8 A9 A10	•	(A1) A2 A3 A4 A5 A6 A7	•
B6 B5 B4 B3 B2	A12	<u> </u> [25]	A 10		¥.		A6	•
8	A11	83	¥3	,	<b>A</b> 7		A5,	1
88	A70	82	A8	<b>[ E</b> ]	A6		*	•
	. <b>&amp;</b> )	<b>B4</b> B3	A7	ୂଞ୍ଜ	/ ',		A3	•
<b>. 63</b>	<b>&amp;</b>		A5 A6	83	A) A2 A3 A4	कि	્રસ્ટ`	1
<b>8</b> 2	`₩,	ີ <b>ຜ</b> ິ	A5.	<b>24</b>	. <del>E</del>	``&'	( <del>Z</del> )	1
<b>8</b>	<b>`</b> ₩	84	各		ृ¥′,	<b>ି</b> ଞ୍ଜ ୍କ	,	
88 ) 89 )	<b>`</b> ₩	88	8	` <b>&amp;</b>	$(\widehat{\mathbf{x}})$	. B4 .		
<b>2</b> )	ື ≹ ຸ້	28	A1 A2	82		B\$		
B42	\$	B40	Æ	88		98		
B413	<b>2</b>	111.,		B10 B9		B7		
B14	$(\overline{k})$	B12		B10		88	•	
B15 B14 B13 B12 B11 B10 B9 B8 B7	,	B13 B12 B11 B10 B9					-	

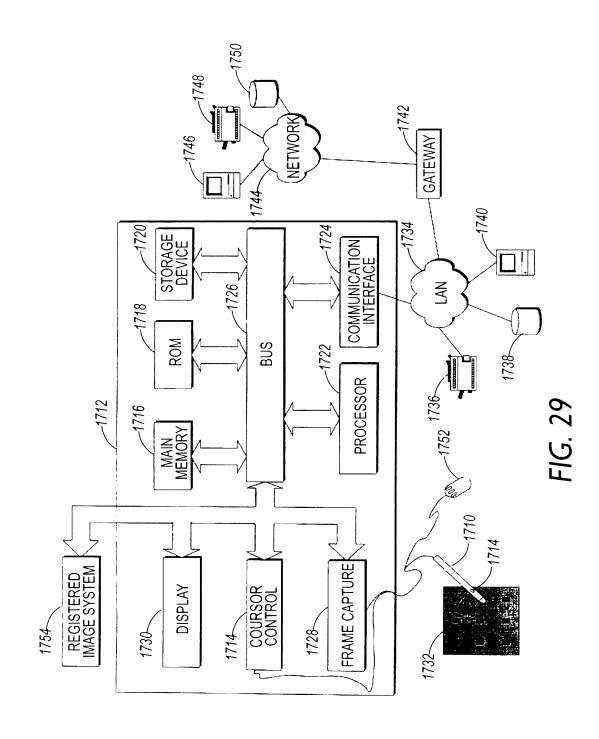
FIG. 27

PATES

u<sub>05</sub> u<sub>06</sub> d<sub>03</sub> u<sub>08</sub> u<sub>09</sub> d<sub>10</sub> u<sub>11</sub> u<sub>12</sub> d<sub>04</sub> n<sub>14</sub> u<sub>15</sub> u<sub>16</sub> u<sub>17</sub> u<sub>18</sub> q<sub>01</sub> u<sub>20</sub> u<sub>21</sub> u<sub>22</sub> u<sub>23</sub> u<sub>24</sub> d<sub>02</sub> V<sub>19</sub> V<sub>20</sub> d<sub>03</sub> V<sub>22</sub> V<sub>23</sub> V<sub>24</sub> V<sub>25</sub> V<sub>26</sub> d<sub>04</sub> v<sub>88</sub> V<sub>29</sub> V<sub>30</sub> V<sub>31</sub> V<sub>22</sub> d<sub>01</sub> V<sub>34</sub> V<sub>35</sub> V<sub>36</sub> V<sub>37</sub> V<sub>38</sub> d<sub>02</sub> u<sub>03</sub> u<sub>04</sub> d<sub>03</sub> u<sub>06</sub> u<sub>07</sub> u<sub>08</sub> u<sub>09</sub> u<sub>10</sub> d<sub>04</sub> u<sub>12</sub> u<sub>13</sub> u<sub>14</sub> y<sub>15</sub> u<sub>16</sub> d<sub>01</sub> u<sub>18</sub> u<sub>19</sub> u<sub>20</sub> u<sub>21</sub> u<sub>22</sub> d<sub>02</sub>  $u_{01} \; u_{02} \; d_{03} \; u_{04} \; u_{05} \; u_{06} \; u_{07} \; \overline{u_{08} \; d_{04} \; u_{10}} \; u_{11} \; u_{12} \; u_{13} \; u_{14} \; d_{01} \; u_{16} \; u_{17} \; u_{18} \; u_{19} \; u_{20} \; d_{02}$ V21 V22 d03 V24 V25 V26 V27 V28 404 V30 V31 V32 V33 V34 d01 V36 V37 V38 V39 V40 d02 

FIG. 28







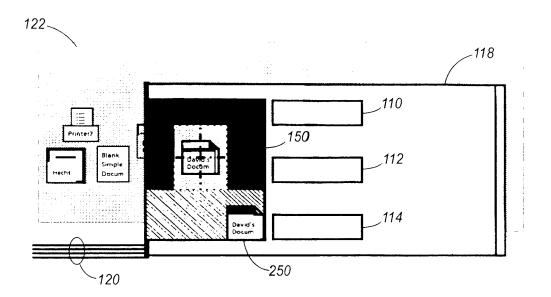


FIG. 30

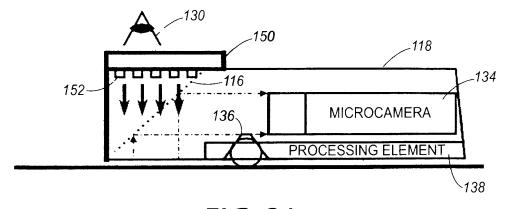


FIG. 31